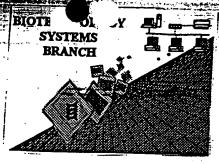
## RAW SEQUENCE LISTING ERROR REPORT





The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/699, 667

Source: 01PE

11-28-00 Date Processed by STIC:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS. PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2Kcompliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

App ation No.: 09 699.66

# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINTING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does root comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and a 18230, May 1, 1990.	Applican t's at 55 FR
2. This application does not contain, as a separate part of the disclosure on paper copy, a Listing" as required by 37 C.F.R. 1.821(c).	¹ "Sequen <b>c</b> e
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as 37 C.F.R. 1.821(e).	s required by
4. A copy of the "Sequence Listing" in computer readable form has been submitted. How content of the computer readable form does not comply with the requirements of 37 C and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence List	4 4 LUZZ
5. The computer readable form that has been filed with this application has been found to and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Subscomputer readable form must be submitted as required by 37 C.F.R. 1.825(d).	) be damaged stitute
6. The paper copy of the "Sequence Listing" is not the same as the computer readable from "Sequence Listing" as required by 37 C.F.R. 1.821(e).	om of the
7. Other:	
Applicant Must Provide:	
An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".	•
An initial or substitute paper copy of the "Sequence Listing", as well as an amendment direction into the specification.	recting its entry
A statement that the content of the paper and computer readable copies are the same at applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821 1.825(b) or 1.825(d).	nd, where (g) or
For questions regarding compliance to these requirements, please contact:	
For Rules Interpretation, call (703) 308-4216	
For CRF Submission Help, call (703) 308-4212	
Patentin Software Program Support (SIRA)	•
Technical Assistance	•

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE



## ERROR DETECTED SUGGESTED CORRECTION

ATTN	I: NEW RULES CASES: F	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
1	Wrapped Nucleics	The number/text at the end of each line "wrapped" down to the next line.
		This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
2	Wrapped Aminos	The amino acid number/text at the end of each line "wrapped" down to the next line.
		This may occur if your file was retrieved in a word processor after creating it.
		Please adjust your right margin to .3, as this will prevent "wrapping".
3	Incorrect Line Length	The rules require that a line not exceed 72 characters in length. This includes spaces.
4	Misaligned Amino Acid	The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
	Numbering	between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
5	Non-ASCII	This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
•		Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
•	Variable Leasth	Consumer (a)
6	Variable Length	Sequence(s) contain n's or Xaa's which represented more than one residue.  As per the rules, each n or Xaa can only represent a single residue.
		Please present the maximum number of each residue having variable length and
		indicate in the (ix) feature section that some may be missing.
		indicate in the (x) reduce section that some may be missing.
7	Patentin ver. 2.0 "bug"	A "bug" in Patentin version 2.0 has caused the <220>-<223> section to be missing from amino acid
-	,	sequence(s) Normally, PatentIn would automatically generate this section from the
		previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
		to the subsequent amino acid sequence. This applies primarily to the mandatory <220> <223>
	•	sections for Artificial or Unknown sequences.
В	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
. —	(OLD RULES)	(2) INFORMATION FOR SEQ ID NO:X:
•	,	(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
		(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
		This sequence is intentionally skipped
	•	Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s)
9	Skipped Sequences	Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
	(NEW RULES)	<210> sequence id number
	()	<400> sequence id number
•	•	000
,	Use of n's or Xaa's	the of the and the Vesta have have detected in the Company Listing
		Use of n's and/or Xaa's have been detected in the Sequence Listing.  Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
	(NEW RULES)	In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
1	Use of <213>Organism	Sequence(s) are missing this mandatory field or its response.
	(NEW RULES)	
2	Line of <220s Factors	Converse(a) are missing the c200s Fasture and accepted handless
<b>'</b> —	Use of <220>Feature	Sequence(s) are missing the <220>Feature and associated headings.
	(NEW RULES)	Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  Please explain source of genetic material in <220> to <223> section.
		(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
3	Patentin ver. 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted
	•	file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
		Instead along the Pills Managed as any other manners are now, the to Construction

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RAW SEQUENCE LISTING

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RAW SEQUENCE LISTING

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### RAW SEQUENCE LISTING

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